Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92085-0530

W6NWG/R => 146.730- & 449.425- 145.050(Pkt)(NET/ROM NODE) PARC 446.000(s)
KA6UAI/R 147.130+(Patch) WA6IPD/R 146.175+(Patch) 220 Club SD WD6HFR/R 224.900-

V O L X X V I, N O. 5 M A Y 1 9 9 1 5 5 y e a r s

May 1st meeting(1st Wed) is at Lincoln Middle School Cafeteria in Vista. I-5 or I-15 to Rd.78, Escondido Ave(Sunset) ramp, north on Esc.Ave, after 2nd light between Eucalyptus and E.Vista Way. Talk in .730.

What you should know:

H A M C A L E N D A R

May 1 Wed - PARC CLub Meeting
May 9 Thu - PARC Executive Mtg.
May 18 Sat - Armed Forces Day
May 23 Thu - SCOPE deadline
May 25-26 - CQ WW WPX Contest CW
May 28 Tue - SCOPE mailed @ Vista
May 31 EARLYBIRD DUES for 91-92yr
Jun 28 Fri - Field Day work
Jun 29-30 - ARRL FIELD DAY W6NWG
(Send calendar items to W9FQN)

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L A S T C L U B M E E T I N G

The April 3rd program consisted of Rudy Plak-W6TIK from Escondido giving an informative talk on the inverted "V's" which he sells commercially. Rudy discussed the angle between the wire legs (115 deg), height of the feed point above ground (>30'), angle of radiation leaving the antenna, and how all of this affects the radiation resistance of the antenna (50 ohms with above conditions). The ends should be at least 6-8' above ground. The radiation is vertically polarized. Rudy gave the club a 17M inverted "V" for us to check out. Rudy's backyard ground is chain-link fence 2" below the ground and it is where he does all of his testing. He likes to know where "ground" really is.

SHOW and TELL was by Duane-WB6R with a simple 2m ground plane antenna, computer print-out of a 10m Field Day beam, Stan-W9FQN with a 6-2m portable beam and a simple 2m "J" antenna made out of 300 ohm TV twinlead, fed with 52ohm coax ... and of course, our famous vice-president, Jack-KI6JM, brought in his new "discarded lamp" 2m folding portable antenna fed by 52ohm coax with what looked like a unique inductive feed since we could not find a direct connection between the coax and the metal lamp supports. Jack is famous for his "portable" 2m handi-talkie. Why don't YOU bring something for show-n-tell?

Attending were 82 members and 15 guests (total 97) who enjoyed the coffee and goodies. Art-KB6YHZ supervised the coffee and Kieko the refreshment table. THE GOODIE TABLE NEEDS GOODIES SO WHY NOT BRING SOMETHING FOR NEXT MEETING. Thanks.

N E X T C L U B M E E T I N G

Our next club meeting will be May 1st at 7:30pm in the Lincoln Middle School on Escondido Avenue in Vista. The program will be a POTPOURRI of SHOW and TELL by club members on various subjects in order of time available and time will be devoted to your questions during the SHOW and TELL: N6KI-> Field Day, James-N6WTE autopatch use, W9FQN-> DB and what it means, WB6IQS-> coax and coax connectors, KC6PEN-> FM deviation, and W9FQN-> how the club functions. Should be an excellent meeting for new and old timers (OT's). We expect the OT's to put in their two cents worth as each subject is discussed. Larry-KC6PEN will bring a deviation meter to check your deviation (HT that is). Come at 7pm and try to meet someone new! See you there!

W A N T to B E a H A M ?
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator or in joining the Palomar

— LOOK INSIDE —

Amateur Radio Club, please contact one of the ELMERS listed here for more information:

- - -

VALLEY CENTER . Stan Rohrer . W9FQN (President, Editor(temp) 749-0276)
VISTA . . Jack Hanthorn . . KI6JM (Vice-President, 598-0420)
BONSALL . . Nash Williams . . W6HCD (Secretary, 728-3574)
CARL$BAD . Benton Caldwell . KK6LX (Trea$urer, 729-5161)
ESCONDIDO . . Jo Ashley . . KB6NMK (Membership Chairwoman, 741-2560)
CARDIFF: Duane Stedman:WB6R:753-4821
CARLSBAD:EleanoreCall:N6QJE:729-0850
DEL MAR:GerrySanford:KC6BJM:755-5244
ENCINITAS:DaveCopley:WA6HQM:753-2605
FALLBROOK:ArtRideout:WA6IPD:728-6834
La MESA: Roger Jaffe: N6UUW:697-6025
LAKESIDE:Mac McBride:WB6GXR:561-2211
LEUCADIA: Bud Lincoln:KG6VX:436-9983
LinVistaPaulWilliamsonKB5MU:571-8585
MIRA MESA: Ron Earl: W6TXK:566-1959
OCEANSIDE:LarryGugle:KC6PEN:439-4109
OCEANSIDE: Lloyd Hunt:W6TFB:757-9374
PAUMA-PALA:Mark Ross:KC6CZO:742-1539
PointLom:MickMcDaniel:W6FGE:222-3912
POWAY:MarkSchlesinger:N6NNI:748-8391
RAMONA: Vernon Leming:AA6UU:789-3070
RanchoPen:John Tentor:W6OLQ:672-3891
RanchoS.Fe:RonWilhelmy:WI6B:756-3133
S.D.:Dennis Vernacchia:N6KI:271-6079
SanMARCOS:FloydHarvey:W6JSP:741-8391
SanMARCOS:RustyMassie:AA6OM:747-5872
SolanaBe:LouBroadbent:N6CKQ:755-9179

Ron-W6TXK sometimes conducts classes in the MIRA MESA area so contact him for the latest information on the starting of his new classes, 566-1959.

POINT LOMA NOVICE INSTRUCTION and TESTING: contact Mick McDaniel, W6FGE and friends, 222-3912.

EL CAJON area is covered by the El Cajon Club with Bill Smith-KB6MCU as the instructor (582-2313) and EARS in Escondido sometimes conducts classes.

PARC has some code tapes available if beginners find some of the "starter" packages a little too expensive, but they still will need a current test booklet. We also have some IBM compatible disks of a great code program available at club meetings. If you have a good code program, please make up a disk with it and several other programs for us to get new hams started. The club will exchange disks with you. We need programs for Apple and C-64's. We presently have programs for IBM and Radio Shack Mod III & IV.

One of our members from Fallbrook, Ray-KK6CA, has consented to make up special code tapes for those wanting special types of code practice material. Please bring in your blank cassettes and be prepared to tell Ray what type of practice you want.

E X E C U T I V E M E E T I N G

DISCUSSED: Bicycle race May 19, TASMA dues, ground straps for club members, regeneration of DTMF tones, 52.525 MHz repeater request, answering machine and phone lines, repeater site work party, & 450 antennas.

APPRDVED: rental fees, stamp pad $17, N6KI autopatch $500, Aug 18th for club picnic.

IN ATTENDANCE: (officers) Stan-W9FQN, Jack-KI6JM, Nash-W6HCD, and Benton-KK6LX; (others) John-WB6IQS. The March meeting was at John-WB6IQS's QTH and we all enjoyed the drink and cookies. The May meeting will be at W9FQN(#1), Valley Center.

C O R R E C T I O N S

In the Animal Rescue Reserve (ARR) article for April, the first paragraph should read: "The ARR group has been assigned by PARC 147.130(+) to use during emergencies. They also have use of the autopatches on that frequency while ARES will be using the 146.730(-) repeater."

de EL P R E S I D E N T E #8

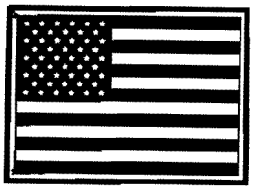
Please remember to publicize our evening San Diego County Traffic Nets (SDCTN) at 8pm, our special interest nets at 9pm, and our emergency nets on Sunday (8:30am and 9pm) to those that you talk to on the repeaters. These nets ARE FOR ALL AMATEURS and you NEED NOT BE A CLUB MEMBER to participate in these nets. The nets are for ALL amateurs in San Diego County. Most of the nets are on a solid basis except for the two newest 9pm nets: Wednesday CODE PRACTICE NET and the Thursday HAM HELP NET. Because these nets are rather new, their following is not as large as the other nets so be sure to put in a good word for them since they can be of service to amateurs and potential amateurs in S.D. Co.

- BK -

It seems as though PARC has devoted a lot of space (SCOPE) and a lot of effort into the operation of the autopatches but then these past six months have been filled with a lot of autopatch activity. Autopatches are a new phase of club activity and it will probably take another six months to get everything down to a "routine" level.

- BK -

FIELD DAY is just around the corner, June 29-30, and I assume that our fearless FD leaders will start pushing everyone to get ready for a massive effort this year. Bud-KG6VX, our FD chairman, and Dennis-N6KI, his right-hand WHIP man, have already started several projects moving and we hope that some of the newer members of the club will participate in these activities. New members need to meet more club members and become familiar with antennas, towers, equipment, and operating. There is no better way to find out what amateur radio is all about than by participating in FD. I clearly remember my first FD and all of the crazy amateurs that went out with me into an "empty" field for our first FD. What a Field Day: solar flares, sleeping (??) in tents, replacing an old car generator connected to a lawn mower engine, and the cows in the field anocking down an antenna. It has been over 30 years ago but we



still keep in contact with each other by radio, letters or visits.

In 1990 the club scored 2,901 contacts and last year 4,171 contacts in 24 hours. Bud and Dennis are pushing for 6,000 in the 5A classification (5 transmitters operating at one time).

We will again have stations for Novices, Techs, and new amateurs. We hope to run three CW stations this year as well as our HIGH SCORING 20m and 15M stations. Its 24 hours of MADNESS but it sure is a lot of fun!

If you are interested, contact Bud-KG6VX (436-9983) or Dennis-N6KI (271-6079) at the next club meeting, or on the air.

- BK -

The club elects its officers each December and expects them to carry out their wishes. The PARC Executive Committee (EC) consisting of club officers and heads of committees, conducts ALL routine business at EC meetings: approves bills, takes care of problems, and decides what items are important enough to bring before the club members for their vote. We try to keep you informed of our activities through the SCOPE. In the past club members have indicated that they want most of the business conducted by the EC so that our meeting nights can be reserved for programs and socialization. This is why our business section of the club meeting is so short and is mainly announcements.

At present the club is moving toward: 1)autopatches serving the SD area, 2)a linked 450 repeater to 147.13, 3)emergency gear, 4)improvements to the repeater site, 5)emergency power (AC & DC) at the site, 6)improved communications with our members, and 7)methods of keeping our dues at $12/year.

If you feel that the EC is not addressing your needs, please attend one of the EC meetings and tell us your concerns or contact an member at the next club meeting.

73, Stan W 9 F Q N

N E W S L E T T E R H E L P E R S

- April 1991 SCOPE -

Members, Ads, Jo Ashley .. KB6NMK
Membership Data, Bill Whipple N6COU
Billing Ad, etc, John Tentor . W6OLQ
Folding/Staples, Jack Hanthorn KI6JM
also provided QTH & refresments
Folding/Staples, Lloyd Hunt .. W6TFB
Folding/Staples, Bill Whipple N6COU
also roster and label printing
Labels . . . . Eleanore Call N6QJE
Sorting . . . .Benton Caldwell KK6LX
Printing/Forms, Stan Rohrer . W9FQN
Printed 450 Mailed 405

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R E C O G N I T I O N of ->

Mark-AA6TR and Duane-WB6R for inviting repeater users to join PARC. I am sure other members are doing the same thing and we thank you for inviting others to participate in our club atmosphere.

- BK -

John-KC6NTN for making copies of the IBM code program and sending the club the original plus a 4.5" and 3.5" copies for club members to use.

- BK -

John-WB6IQS for the donation of a 6' free-standing ladder for use at the repeater site. Some of our repeater equipment is in the rafters: duplexers, Heliax, alarm, control wiring, etc.

- BK -

Oscar-W6BIH for the donation of a Wilson 6-element tribander (SY36), 10-15-20m, and assorted goodies. The beam has a gain of up to 9db on 10m, a 20db front to back ratio, and a 24' boom. We hope to use the beam for Field Day. Oscar and his wife are moving back to Detroit to be near family after having moved to California in 1965. Oscar, the way you climb around I thought you were just a few years older than I ... and then I find out you are 92!

(4-7-91)Art-KB6YHZ and Jack-KI6JM for taking Saturday morning off (9-12:30) and helping Stan-W9FQN take down Oscar's beam and drop the 50' tower. Jack served as anchor man on the rope (some anchor) and Art, despite getting up at 6am to haul cement for Anita-KB6YHY, kept Stan supplied with tools and worked on the roof. Art takes care of the coffee for the club on meeting nights.

- BK -

Frank-N6WEF and Mary Lee-N6WEG for taking the PARC Emergency Service Net (ESN) each Sunday morning for April and May. In times of emergency we need as many experienced net controls as possible so if you can help us by becoming a net control, please contact Stan-W9FQN for more information. Net controls usually have the net for two months every two years.

R E P E A T E R S, etc.

TECHNICAL: John Kuivinen.....WB6IQS
- - TRUSTEES - -
W6NWG/R: Ron Wilhelmy ...WI6B->
145.05(s)pkt,146.730(-),449.425(-)
KA6UAI/R: Erik Thompson, 147.130(+)
WA6IPD/R: Art Rideout, 146.175(+)
WD6HFR/R: Ron Berger-NE6T,224.900(-)
(All CTCSS(PL) tones are 107.2)

The W6NWG 450 repeater is getting

more and more usage since many of the new HT's and mobile rigs are dualbanders (2m&450). Some of the calls I have heard on 450 are: Carl-N6NZX, Mary-KB6NZA, Stan-W9FQN, Barbara-KA6FPS, Jerry-WB6FMT, and John-WB6IQS. If you are using the 450 repeater, please let us know about it. It's real private up there and most of the users seem to be husband and wife teams. We hope that the fading audio problem can be solved on the next trip to the mountain.

- BK -

If you hear "grunge" on the 147.130 KA6UAI repeater, don't be afraid to put the PL back on the machine with #80 to reduce or eliminate the grunge (the PL is now working). Say something like "REPEATER BEING PL'd", -#80-, and your call. -*80- turns off the PL. For those of you who are GENERAL or above, the 10m link can be turned ON and OFF with 5*# & 5#*: you are on 29.6MHz. Techs can use the 10m link if a General or above turns it on for them. The first 10m contact in April was New Zeland. At the May meeting we will give you some more information about Erik's use and non-use of PL.

Try to keep from using 147.130 from 8-8:10pm because of possible overflow traffic from the evening San Diego County Traffic Net (SDCTN) on 146.730.

- BK -

WORKPARTY (04-07-91): Erik-KA6UAI and Chris-(it's in the mail) removed the 147.130 repeater by carrying it .5mi thru the deep snow on 4-6 to put in some new modifications and returned Sunday to put the repeater back on the air. What some people won't do to keep a repeater working. After solving a few problems (thanks, Jerry-WB6FMT) Erik got everything working properly including the 10m link. Carl-N6NZX and Mary-KB6NZA provided transportation with his 4-wheeled Blazer. Carl reported damage to an autopatch antenna, 220 Club control antenna, and to the battery shed from three feet of wet snow. John-WA6ZJC, Erik's chief engineer, supervised everything from the comfort of home after having spent the weekend installing modifications into the repeater. Thanks guys, it seems to be working Fine Business (FB).

- BK -

REPEATER RULE #6: The hardware problem you just "fixed" at the repeater site was really just a creative "jammer" which you will soon discover.

- BK -

Our repeaters in the PARC bunker on Palomar Mt. at 5,600' cover 2,000 sq.mi. of SD.Co. and 100+ miles out to sea. It is club policy that these repeaters are open repeaaters FOR CLUB MEMBERS AND OCCASIONAL TRANSIENT USERS with the AUTO PATCHES being ONLY for club members. Be FRIENDLY to those that you talk to, and INVITE them to support the club with their membership. You can check their membership in PARC by asking them if they have seen something in the most recent SCOPE.

A U T O P A T C H E S on 147.130
KA6UAI/R: Erik Thompson..#1..KA6UAI
ENCINITAS + surrounding towns
KA6UAI/R: Jerry Houser...#2..WB6FMT
VISTA + the surrounding towns
KA6UAI/R: Dennis Vernacchia #3 N6KI
SAN DIEGO (activated Spring? '91)

A U T O P A T C H on 146.175
WA6IPD/R: Art Rideout #4 WA6IPD
FALLBROOK + surrounding towns

Some FM transmitters do not have proper deviation levels for voice and for your DTMF (Touch Tone) pads. Larry-KC6PEN will have the club's deviation meter at the next meeting and will be glad to check the deviation of your equipment or at his house by appointment. Jerry-WB6FMT has an identical unit and can check your deviation by appointment only at his house. Remember, these are checks only and not adjustments.

- BK -

In March there were 5 calls made during the day via the KA6UAI Encinitas autopatch averaging 108 seconds and 110 calls with Jerry's WB6FMT Vista patch (71 day, 28 evening, and 11 night) averaging 69 seconds a call which is close to the 60 seconds that we would like to see. Several problems with Erik's Encinitas patch have been apparently solved. Jerry has discovered his patch works better with the antenna connected. If you are experiencing any difficulties, please contact Jerry-WB6FMT, Erik-KA6UAI, or Stan-W9FQN. We can't solve problems that we don't know about.

- BK -

Each autopatch is set up to pass all phone numbers in the immediate area and to restrict calls to all other areas. The next autopatch will probably be in the San Diego area. Jerry-WB6FMT reports that his VISTA autopatch link has been having problems when snow and ice build-up on the antenna at the repeater site. This should correct itself in good weather but it will have to be "fixed" before next year's bad weather. Erik-KA6UAI's ENCINITAS autopatch has a new PARC controller which will remove some of the illegal prefixes which slipped through the past two months. All autopatches at present cover Oceanside.

- BK -

Remember, the purpose of the autopatches is to provide EMERGENCY COMMUNICATIONS but you will need to use them for more mundane things till the real emergency comes along.

- BK -

The autopatches are also programmed to respond to emergency, 911, the time, 853-1111, and to the telephone repair number, 611.

- BK -

It has come to our attention that some ALINCO transceivers have their DTMF tones set to too high of a level resulting in distortion which will not bring up some of our autopatches. It's easy to fix. Open up the microphone and turn down (CCW) the potentiometer from 11am to about 8am (3 hours). So far, all

ALINCOs that Jerry has adjusted have now started bringing up the patches. Jerry also indicates that rigs that give off the touch-tones rather than a beep allow the sound to get into the microphone (some Kenwoods) causing distortion and improper patch operation. There might be other rigs out there having similar problems. It is also suspected that there is some distortion coming into play at the repeater site which we hope to eliminate by decoding at the repeater site and generating NEW clean tones for the patches.

- BK -

What you should do:

For ALL autopatches say-

```
"_____BK_________BK_._._BK_______"
*0X     (749-0276)  talk     N6YZZ
(tone)                       CLEAR
N6YZZ                        PATCH
ACCESS PATCH                 (tone)#0X
```

The "__" in example above indicates your "push-to-talk" pushed and "X" is obtained from a club officer or from your address label listed 1st-Encinitas, 2nd-Vista, 3rd Fallbrook.

(copy for car & home use)
PL ON #80, PL OFF *80 for 147.130
Link 29.6, 5*# ON, 5#* OFF(no Techs)
==========(ENCINITAS)==========
KA6UAI:147.13(+) up *.. - down #..
Cardiff by Sea, Leucadia, Del Mar
Encinitas, Carlsbad, San Marcos
Rancho SF, Oceanside & Solana Beach
==========(VISTA)==========
WB6FMT:147.13(+) up *.. - down #..
Escondido,Carlsbad, Fallbrook, Vista
Oceanside, San Marcos, Vally Center
==========(FALLBROOK)==========
WA6IPD:146.175(+) up *.. - down #..
Fallbrook, Oceanside, Pauma Vally
Pendleton, Valley Center, Vista

For Oceanside select the WA6IPD/R autopatch when in or near Fallbrook. On KA6UAI/R use the Vista patch (WB6FMT) for Oceanside.

F O R S A I L

(4-18)HEATHKITS SB-221 HFamp 1KWcw 2KWssb w/manual $225; IG-102 RF SigGen 100KHz-220MHz 2/man $35; EICO 232 VTVM 2/man $35; CHUSHCRAFT 10-3CD 3el 10m beam w/man $65; ASTATIC D-104 mic w/stand and amp inop. $25: Eric-XE2/KB6EPO-82-02-83-Tijuana, WANTED-TRADE for R-5 vertical ant.

- BK -

(4-15)Manuals FREE for asking: KENWOOD PS-430, SWAN wattmeter WM-1500, SWAN pwr supply descriptions, EICO Mod-425 Oscilloscope, & COMPLETE BOOK OF SB-220 MODS. They will be brought to the May club meeting: W9FQN

- BK -

(4-15)Collins 75S3 W/E mint $475; Collins Amp 30L-1 R/E $675; Estatic D-104 mic new $45; Bearcat 220 scanner $150; Alan-N7AMR-4 34-5656-Carlsbad.

- BK -

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(4-13)Kenwood TS-711A 2m all mode xcvr, TU-5, VS-1, TT mic $700; Janel QSA-5 2m receiving amp 30w $30; Westcom 2m amp 15w in 70w out $70; Ten-Tec mod 238 2kw ant tuner $275; Autek WM-1 HF Wattmeter/SWR $80; B&K mod 1460 10MHz oscilloscope $90; B&K mod 1400 scope calibrator $125: Duane-AA6EE-789-3674eves-Ramona.

(4-13)'91 North American Callbook $24.99; International Callbook $24; both $28.99; Callbook Supplement (published June 1) $10.49; 1991 ARRL Handbook $22.99; all Postpaid & add 6.5% tax; male check to Duane-AA6EE-16832-Whirlwind-Ramona-CA-92065-789-3674eves-Ramona.

- BK -

(4-6)From one of the neatest professional looking stations I have ever seen => TS-940S mint xcvr $1,400; ICON 745 w/ps xcvr $600; ICOM 720 w/ps xcvr $700, ICOM 211 2m xcvr $350; new Swan WM-2000A swr pwr meter 2kw pep $50; Water 1kw dummy load 1.3-250MHz $100; Tempo RBF-1 200-2kw 50/75 ohm SWR meter $35; R.F. Labs mod V76 6m solid state amp, 8:15w in & 100-120w out $250; Autec QRM QF1A AM-CW-SSB filter $40; MFJ 945C ant tuner $40; MFJ 949D ant tuner 300w $80; Outbacker mobile ant 75-10m $150; Outbacker hvy duty mobile spring and mount $35; Curtis Lil'Bugger keyer $25; Hustler fiber glass mobile mast w/RM15 resonator $25: R.F. Krist-W6KTE 941-3555-Vista. Hope you are not moving de W9FQN!

- BK -

(3-17)1w AM BC xmtr can be converted to 160-40m, schematic, case, meters, mic, used as PA system in hotel, $50: Ray-W6BHF-487-4423-poway.

- BK -

(3-16)1,000w HEATHKIT's best antenna tuner, dual meters, SWR bridge, 5-ant outputs, $150; SWAN 400 HF 400w PEP xcvr w/VFO, AC pwr supply & SHURE 44D mic, $200: Scotty-KH6TL-727-8836-Vista.

- BK -

(3-15)54'Tri-X "motor up" heavy duty TOWER: Jack-WD0DLW-728-0258-Fallbrook.

- BK -

(3-14)Tecktronics OSCILLOSCOPE 50MHz band width, 4 plug-ins, exc cond with new manuals; HP mod 141T spectrum analyizer main frame with 8552B & 8553 plug-ins: Lou-N06W-437-8351-Coronado.

- BK -

(2-15)Nicholas Andree of HIWAY COMPANY, intersection of Wisconsin and Hill streets in Oceanside is back in business and wants to sell off all of his electronic goodies as soon as possible. No reasonable

FREE ADS FOR MEMBERS

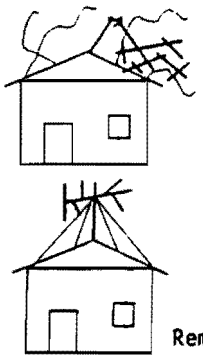
Incredible Prices!

offer will be refused. Nick indicates he will also donate 10% to PARC from items sold to amateurs. Here is your opportunity to really get some good "deals" and help the club too. It would be good to give Nick a call at his home first, 967-7225, to make sure he will be at the store.

- BK -

(2-8)COMMODORE C-128D computer, MAGNAVOX 876 RGB Monitor new 2-89, lots software $350; DIGICOM TNC w/paperwork and disks $65: Joe-N6RVO-433-6885-Oceanside.

- BK -



If you antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate! Radio Systems, Installation, Repair and Removal, Interference Resolution Edward Ross

542-1405

Antenna Specialties N6GZI

(1-2)TEN TEC ARGOSY 5-50 watt xcvr with mike, pwr supply, manual: Reasonable Ron-WI6B-756-3133-R.SF.

- BK -

(12-24)95'TOWER free standing, 4x20', 1x15', removed from Oceanside trailer park, want to recover cost of $815 to take down or best offer, can deliver, exec. cond.: Chad-N6ZPU-489-8811 Esc.

W A N T E D

(4-9)Dog team for trips to and from the repeater site.

- BK -

(1-11)ICOM 25A/35A/4SA/24AT accessories: Mike-WB6CSH-leave msg 283-2447.

- BK -

(1-2)2m mobile transciver: Ray-WA6THC-729-2001

- BK -

(1-2)HEATHKIT HW-8 QRP rig, will pay premium for quality wiring job: Reasonable Ron-WI6B-756-3133.

-BK-

A PARC member who can send COMPUTER CODE Wednesday evenings over 146.730 as a back-up to W9FQN and N6NZX. IBM's and C-64's work fine for this. We would also consider your being able to just play a recorded TAPE which we can furnish to you.

- BK -

The club passed the 400 member mark sometime around April 3rd which is a club record. I was told that at the end of our last club year (July) that we hit about 401. We generally loose quite a few members in August: moved, no longer interested in the club or amateur radio, FORGOT TO RENEW, etc. but the trend is to keep getting larger while some other clubs are dropping in membership. We are one of the larger CLUBS in the USA (excluding repeater groups) and it is probably due to our population density, club activities, and our repeaters. THANKS to all of you who have been friendly to those you meet and for "pushing" PARC membership. Your due$ allow u$ to improve our $ervice$ to club member$. - de W9FQN.

C A M E O G U Y S and D O L L S

K-B-6-N-M-K: JO ASHLEY; past secretary of PARC; PARC membership chairwoman; expert Direction Finder; co-winner 2nd place SW Div DFing; member EARS; PARC art and business ads; licensed four years; Technician Class; PARC liason to EARS; regular member PARC Executive Committee; past Field Day station chairwoman; keeps PARC president honest; RACES; 1990 Southwest Division Program booklet; ARES net control station; member North County Traffic Net and former net control; mother of Terri-N6UZH and AJ-KB6NML; husband makes Indian dolls; QTH Escondido; operates mostly 2m at QTH and mobile; born in England but moved to Australia; now selling real estate (see ad).

Call me to buy or sell real estate in the North San Diego Co. inland area:
Office 619-489-1891
Home 619-741-2560

JO ASHLEY, REALTOR®

-KB6NMK-

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If your address label reads other than 9107, 9207, or 9307, contact Jo-KB6NMK for the correct amount of dues to get you "back-in-step" WHEN it is time for you to renew.

Check your label to see if it is expiring at the same time as most members PRC9107 ('91July). If not, please adjust the amount you pay so that you "get back-in-step" so that it ends in PRC9207, PRC9307, PRC9407, etc. Dues are $1/month (+75c/mo/spouse) so the correction is easy to do - if you can read your label. Of course, if you owe less than $12, you might consider paying the amount indicated plus $12 which would put you in step with 9207 or 9307. Many members pay 2-3 years at a time. Interest on $12 these days is approaching the cost of a stamp so why not go for two years. Below, if your label reads 9105, you would owe $2 to take you up to 9107 but being so close to the renewal date you should send in $2 + $12 which would complete this club year and take you up to 9207. OF COURSE, IF

YOU can respond to one of these ads right now...

THIS CONFUSES YOU, JUST SEND IN $12. It is probably better to error on sending in $1 too much to be sure that you end in PRC9207 or PRC9208. We find that memberships that do not end in July many times don't notice that their membership has ended and then after several months start wonderng what happened to their newsletter.

G E T B A C K I N S T E P

ur label	new	+ $12
PRC9104	$ 3 -> 9107 or	$15 -> 9207
PRC9105	$ 2 -> 9107 or	$14 -> 9207
PRC9106	$ 1 -> 9107 or	$13 -> 9207
PRC9107	$12 -> 9207 or	$24 -> 9307
PRC9108	$11 -> 9207 or	$23 -> 9307
PRC9109	$10 -> 9207 or	$22 -> 9307
PRC9110	$ 9 -> 9207 or	$21 -> 9307
PRC9111	$ 8 -> 9207 or	$20 -> 9307
PRC9112	$ 7 -> 9207 or	$19 -> 9307
PRC9201	$ 6 -> 9207 or	$18 -> 9307
PRC9202	$ 5 -> 9207 or	$17 -> 9307
PRC9203	$ 4 -> 9207 or	$16 -> 9307
PRC9204	$ 3 -> 9207 or	$15 -> 9307
PRC9205	$ 2 -> 9207 or	$14 -> 9307
PRC9206	$ 1 -> 9207 or	$13 -> 9307
PRC9207	$ 0 -> 9207 or	$12 -> 9307

```
   UAI FMT IPD     expiration dates
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
x  *0X *0Y *0Z     PRC9107 LX9505  x
x                  (PARC) (License)x
x  PARC HAM                        x
x  W6NWG                           x
x  P.O.Box 1603                    x
x  Vista, CA 92085-0530            x
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

One group in S.D. Co. charges $50/year and another large group $16/yr and $10 iniation ($26) so $12 dues for an "all purpose" club is not bad at all: club meetings, repeaters, autopatches, contests, VE testing, traffic and special interest group nets, etc.

G E N E R A L N E W S

CARLSBAD SAFETY CENTER: 4/16/91 RACES conducted a drill with the Carlsbad Unified School District simulating a 7.5 earthquake. The school system handled THEIR communications through the school's internal emergency radio system and the RACES personnel at each site reported back to the Carlsbad Safety Center as a check on each others communications ability.

LARRY E. GUGLE

-KC6PEN-

STCR REPAIR SHOP

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50% OFF Labor to PARC members

Business Lic.#500021, USMC (Ret)
PARC member

25 years communications equipment maintenance experience for the USMC. Specializing in HF & VHF Transceiver & RF power amplifier repairs by appointment.

At the site I was at, I noticed some of the problems they were having:

1) Their communicator did not know where the school center was located and stood between the center and their HTs, blocking their signals. They also stood with buildings blocking their HT signals.

2) Their communicator did not move around to HOT SPOTS to improve the signal.

3) Messages were not written down and the communicator gave them from memory with some errors.

It was an interesting drill and again demonstrated that amateur radio with RACES operators are better because of their equipment and their training in the handling of messages even though we did have some temporary problems working a simplex frequency. We amateurs learned that there is no substitute for a repeater if you are only going to use HT's for communications.

The school I was at suffered two deaths (simulated), a spinal injury, a broken leg, collapse of administration building, fallen Hi-Voltage power lines onto the school grounds, and a six foot wide opening of the earth! Wonder what fault they are on!

The Carlsbad School system should get an A+ for having a written emergency plan and for putting it into operation each school year. I wonder if the schools in your district are as well prepared to face emergencies.

The following club members participated: Eleanore-N6QJE, Ellen-N6UWW, Jo-KB6NMK, Gerry-KC6BJM, Frank-WB6HFE, and Stan-W9FQN. Others participating were N6QJO, and N6ELP.

- BK -

John-WB6IQS has been appointed as Vice President of his local EIII chapter and is in charge of programs.

Jo Ashley, KB6NMK, one of the SCOPE advertisers, is a REALTOR and her last listing sold in less than a week. Jo is active in DFing and knows many of the "high" spots in North County - if you are looking for a change in housing. Received a nice ERA card from her last week.

- BK -

On the opening of the 102nd Congress, Representative Cooper of Tennessee introduced a bill called the "SPECTRUM PROTECTION ACT OF 1991". It is designated H.R. 73. This bill, if enacted into law, would prohibit the FCC from removing spectrum from the Amateur Service and would require the FCC to provide equivalent replacement spectrum (remember 220?) if a portion of Amateur Radio Spectrum is reallocated after January 1, 1991.

Now is the time to get other members of the House of Representatives to support H.R. 73. Please write your Representative and ask for his or her support of H.R. 73. You could also ask your Rep. to become a co-sponsor of the bill. We need 218 members of the House to

become co-sponsors to insure passage of the bill.

Your representatiive in San Diego's North County is Ron Packard, Suite 105, 2121 Palomar Airport Road, Carlsbad, CA 92009. Please send a copy of your letter to Perry Williams at ARRL Headquarters. He will work from the Washington office to help sign up the co-sponsors.

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- Fully adjustable without tools
- Machined brass mechanism
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BOX 455, Escondido CA 92033
Tel. (619)-747-3343

It is very probable that a similar measure will be introduced in the Senate. When this happens, we will need to contact the Senators and urge their support and ask for co-sponsorship.

A simple handwritten note is all that is needed. Express your concern over the spectrum lost in the past and how that effects our ability to function in emergencies, to pass emergency traffic, health and welfare traffic, etc. Congressmen do listen to their constituents. de Harry-WA6YOO.

Thanks to all those who sent me information on HR73 and to N6RMM for a copy of the bill. ..de W9FQN and see W6INI's info mas tarde.

- BK -

M-E-X-I-C-O: according to Eric-KB6EPO, I will have to update my HOW TO GET A MEXICAN XE2 CALL sheet that has been sent throughout the USA. Eric indicates that you can now get your call in a few hours through the Baja Tijuana equivalent of our FCC without going to Mexicalli. The cost is about 163,000 pesos at about 3,000p per $1! More on that later when Eric and I get some maps drawn up. Contact Stan-W9FQN (ex XE0FQN) or Eric-XE2/KB6EPO if you are in a hurry. They used to issue ZERO calls in the 60's to only mobile stations and I drove all over Mexico for years in my Olds convertible during the summers with a KWM-2 HF transceiver in the car with two 12v->110v Heathkit inverters and the tube filaments tied to 12vDC. Sometimes I carried a 350w Honda generator in the car and ran it in the trunk or back seat while driving. Those were the gud-ol days!

- BK -

Bob-WA7GRW from San Francisco was on 146.73 the weekend of April 6th and wanted to say HI to the old gang ..still in microwave ..working 60hrs/wk ..might be coming back to this area. They still have their house here and only returned because a washing machine pipe broke ..and us with a water shortage.

- BK -

Received a nice letter and membership from David Madrick-WB2DZH who on a recent visit enjoyed the use of the PARC's repeaters. Sorry, David, you can't hit our repeaters from "2" land but we are happy to count you as a member! On second thought, if you had a sked, you could possibly work into 147.130 on 29.6(-). We have about 37 members outside of S.D. Co. in the USA who receive the SCOPE.

N E T S

146.73 W E E K L Y E V E N T S

M->S 2000 S.D.Co Traffic Net
(except 1st Wed club meeting)
MON 2100 Microwave Net
TUE 2100 S. D. Pkt. Voice Net
WED 2100 Code Practice Net
THU 2100 Ham Help Net
SUN 0830 PARC Emergency Service
SUN 1000 Sailboaters check-in
SUN 2100 ARES Planning Net ??
MON 1930 RACES Net on 147.195

8pm T R A F F I C N E T S

Our 2000Hr San Diego County Traffic Net (SDCTN) is still handling a lot of MARS traffic and could use some local help on 146.73 and help with SCNV traffic into and out of the area on 146.850 at 2100Hrs.

	msg/day	ck-ins	
Mar.	8.7	10.0	high in March
Feb.	7.2	10.8	was 19 msgs
Jan.	3.8	12.5	with 5 days
Dec.	5.2	8.5	over 20 msgs

- BK -

N E T S O N 146.730(-)

In general, repeater time is structured as follows:

Mobiles	Open	Traffic	Special
6-8a,4-6p	8a-8p	2000Hrs	2100Hrs

The SAN DIEGO COUNTY TRAFFIC NET(SDCTN) meets each evening at 2000 hours to pass messages within and out of the county. Please check into the net or listen for traffic in your area. Net managers are Joe-N6RVO, Chuck-N6TJT, and Rich-KI6ZH. Net controls are (M->S): Dave-WA6HQM, N6RVO, Tim-WA1ZEN, Warren-W6EYP, Chuck-N6TJT, Carl-N6NZX, Charles-N6TEP. SCNV liaisons are: N6RVO, Bob-KE6VX, and KI6ZH.

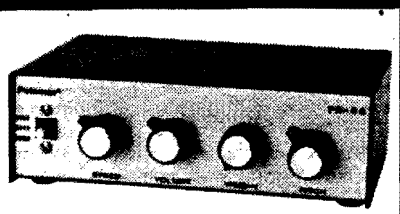
The Sunday NORTH COUNTY PALOMAR AMATEUR RADIO CLUB EMERGENCY SERVICE net meets each Sunday morning at 8:30am to disseminate ARES and emergency prepardness information to amateurs in North County and other interested amateurs throughout the county. Net manager is Stan-W9FQN. Other net controls are: Jo-KB6NMK, Carl-N6NZX, Mary-KB6NZA, Floyd-W6JSP, Nash-W6HCD, James-N6WTE, Elenore-N6QJE, Steve-N6UIA, Frank-WB6HFE, Norm-N6QQF, Larry-WA6UTQ, Marylee-N6WEG & Frank-N6WEF.

The Sunday morning SAILBOATERS

SESSION net (SSS) meets each week at 10:00 am to allow sailboaters to talk about things of interest in Sailing. Also check 1000 Saturday mornings. Informal net controls are: Mark-AA6TR and Larry-W6QCA.

A Sunday evening AMATEUR RADIO EMERGENCY SERVICE (ARES) net will soon be starting at 9:00pm. Watch for details.

KEYER



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The Monday Evening MICROWAVE NET meets each week at 2100 hours to disseminate information on microwaves. Kerry-N6IZS is moderator and net control. Other net controls are: Ed-W6OYJ, & K6DS. Suggest you join the micorwave group if you have a real interest in microwave.

The Tuesday VOICE PACKET NET meets each week at 2100 hours to disseminate the latest information on packet. Paul-KB5MU is moderator and net control. Other net controls are: Mike-WB6HHV, & N6NKF. Suggest you join SANDPAC if you are interested in packet.

The Wednesday evening CODE PRACTICE NET meets each week at 2100 hours to help amateurs practice their code and to let you see what you present code speed is. Net controls are: Stan-W9FQN, Carl-N6NZX, & Mary-KB6NZA. We need more net controls who have computers that can be used to send code practice material.

The Thursday HAM HELP NET meets each week at 2100 hours to help amateurs with their amateur radio related problems: transmitters, receivers, antennas, feedlines, etc. Stan-W9FQN is presently net manager. Net controls are: John-KK6IL-(1st), Larry-KC6PEN taking the rest of the month except for Joe-N6YMD who will take the Thursday executive meeting night.

ARES uses 146.730(-) when they have emergencies and ARES has priority use of the frequency. The Animal Rescue group uses 147.130(+) for emergencies but must also accommodate ARES's overflow and use of the autopatches.

D I S C L A I M E R S

Meetings at LINCOLN MIDDLE SCHOOL are NOT a function of the Vista Unified School Dist. & are NOT sanctioned by the school Dist. Board of Trustees. See!

Unless specifically stated to be club policy, opinions and statements set forth herein do not necessarily represent club policy even though the president is the temporary Editor. Nor do they necessarily represent the opinions of the authors on other occasions or under different circumstances. The Editor further disclaims any knowledge of anything - real or imaginary. Verily. I really wonder if anyone really reads this?

You can copy anything out of the SCOPE you want as long as you give credit to THE PALOMAR AMATEUR RADIO CLUB, Inc., and author(s).

The ARRL SECTION MANAGER's REPORT
de Art Smith, W6INI

We have a golden opportunity to do something to prevent the FCC from repeating the 220 MHz fiasco. Some of you may already know this since it has been in the Amateur Radio news for two months, but it bears repeating because every license amateur (and hs friends!) needs to write to their Congressman.

Congressman Jim Cooper of Tennessee, a member of the House Committee on Energy and Commerce has introduced an amendment to the Communications Act of 1934 to prevent the loss of our existing spectrum. His committee oversees the FCC Designated H.R.73, it is known as the AMATEUR RADIO SPECTRUM PROTECTION ACT of 1991.

To ensure passage of H.R.73, it is necessary that you write your Congressman without delay. Ask him to join as a sponsor for the bill. See page 42 of March, 1991, QST for details and sample letters. Put in your own words. April QST, page 62 contains more info. In drafting your letter point out that there are nearly 7000 licensed Amateur Radio operators in San Diego County. He can see votes!

Below is another sample letter, similar to what I wrote to give you additional ideas that the QST sample doesn't. Brevity is important. You might also include your QSL card.

SAMPLE LETTER

1234 Main St
San Diego, cA 92000
(date)

The Honorable (your congressman)
U.S. House of Representatives
Washington, D.C. 20515

Dear (Sir)(Congressman):

Congressman Jim Cooper of Tennessee has authored H.R.73, the Amateur Radio Spectrum Protection Act of 1991, to prevent further erosion of frequencies allocated to the Amateur Radio Service.

I urge you to support this bill by becoming a co-sponsor. This bill will benefit nearly 7000 Amateur Radio operators in San Diego County and one-half million nationwide.

As you probably know, Amateur

Radio operators figure heavily in local earthquake plans as backup for government channels and as a substitute for disrupted telephone service, all at no cost to the taxpayer.

Your assistance in this matter will be appreciated.

Sincerely yours,

John K. Doe
Amateur Radio Station W6XYZ

- BK -

FEDERAL COMMUNICATIONS COMMISSION
June Butler, Public Affairs,FCC SDCO
4542 Ruffner St, Suite 370
San Diego, CA 92111-2216
557-5478 or FTS 895-5 478
April 5, 1991

The FCC conducted a study of amateur radio stations to determine compliance with the Section 97.313(a), 47 DFR 97.313(a), requiring the use of minimum transmitter power. The study also examined the link between operating power and interference to home electronic entertainment equipment (HEEE) such as television and radio receivers.

This nation-wide study took place on February 26 and 27, 1991, during which time the FCC looked at 209 stations. it selected most of these stations on a random basis. The exception was 31 stations chosen because they were subjects of interference complaints. The FCC made observations of the communications conducted at the power usually used by the station, and then made similar observations with the power reduced by one-half or more.

The findings of the study are

-75% of the stations experience no degradation in communications capability when the power was reduced by more than half.

-Lower power resulted in reduced interference to HEEE in 1/3 of the cases.

-70% of the amateur operators interviewed stated that their stations normally transmit with less than 200 watts of transmitter power.

-Approximately 2/3 of the stations reported to be the source of receiving interference were transmitting with 100 watts or less.

The conclusions of the study are

-Most amateur stations are not operating at minimum power as required by Section 97.313(a).

-Reduced power can alleviate significant reception interference problems withou degradation in communications capabilities.

-In addition to reducing transmitter power, other remedies such as transmitter or receiver filtering may be required to eliminate interference.

For further information, you may contact Jeffrey B. Young, FCC, Field operations Bureau, Enforcement Division at (202) 632-7014.

- BK -

The FCC has asked Congress to charge hams a $30 user fee for their 10 year license ($3/yr).

P O T P O U R R I

An update of our 2m survey of club members now indicates a minimum of 45% of our club members using our 2m repeaters. We are now guessing it could go as high as 60%.

- BK -

HAM CALL LICENSE PLATES: current registration, Application for Amateur Radio Call Letter License Plate (Reg441-rev8/83), FCC License, surrender old plates, pay $21 +$1 for reflectorized plate. Comments: no trailers, your name must be on registration, and $12 fee to transfer Ham plates to another car or must surrender plates.

- BK -- BK -

SCOPE costs are running about 6c/sheet (3c/pg) and mailing about 8c/SCOPE. We would know more exactly if we could read the postal regulations (and understand them) and they would send us a bill each time. We never get a bill - just a request for more money every 4-6 months! What a way to do business. Because of the postal increase, some clubs are increasing their dues although PARC's financial position should allow us to remain at $12 for the immediate future. We were a "good deal" before and are even better now.

- BK -

HAM STAMP PINS: Replica of ham postage stamp, $5.

- BK -

Ed-N6GZI, past present of PARC, did not learn his lesson and is now president of the North Shores ARC in San Diego. Ed advertises in the SCOPE and was my "climbing teacher" on PARC's 80' tower on Palomar Mountain.

- BK -

OVERHEARD on 146.73

Did you hear about the two guys who wanted to "party" and went to Bagdad to get bombed? (the war was so short that it was "over" almost before the jokes could be thought up. ..de W9FQN

- BK -

JOIN THE ARRL: When joining or rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to our Trea$surer, Benton-KK6LX. NEW ARRL membership applications which include the PARC number (#1703), garner the Club $5 - and it doesn't cost you a fat farthing more!

- BK -

OFFICIAL CLUB BADGES: see John Tentor, W6OLQ, mtgs or 672-3891. John is so efficient at making these badges that they only cost club members $1 and he does them between ping-pong matches while plotting on his HP printer.

INTERFERENCE: IGNORE it. Don't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. At the same time, try to hear the interfering signal on the input of the repeater and, if possible, determine the direction of the source. You can also move "up one"

to 147.130 to complete your contact.

- BK -

EARS T-HUNTS: Contact Jo-KB6NMK for latest information. Hunt freq. is 146.565 at 0900 in Escondido or Rancho Bernardo on the 3rd Saturday of the month. Check 146.880 when near Escondido for more info. If you are just getting started, ride along with an "experienced" T-hunter. Contact Jo-KB6NMK or Carl-N6WLX in Escondido for more information

- BK -

C O N S U L T I N G E X P E R T S
(found on 146.730)

W6TXK : MiraMesa,Ham Radio Classes
W6FGE : PtLoma Theory/Code Classes
KB6MCU: ElCajon, Ham Radio Classes
WB6FMT: Autopatches and 450 Equip.
W9FQN : Mexican License; Nicads
WB6IQS: Heathkit; Motorola; Rpters
N6KI : Swapmeets; Used Equip. $$
W6INI : ARRL; ARES; Fire Patrols
WD0DLW: ARES Encinitas->San Marcos
KC6CZO: ARES Escondido,N&E.of I-15
N6IZW : Microwave; Test Equipment
KB6MCU: Interference; Filters; ATV FCC,Antennas(HF/VHF/UHF),towers
KB5MU : Pkt; Satellite; Computers
KB6NMK: Direction Finding info.
AA6OM : VE Testing: Tests/Helpers
KC6PEN: Ham Help NetThur.Eve;Tubes
KI6RF : Mobile noise filtering
N6UUW : Radio Controlled Airplanes
N6RVO : National Traffic System
ND6W : Test Equipment,Programming
W6OLQ : Ping Pong; Badges; HP Plot

Check ad sections for professional help on radio repair: N6GZI (antennas), KC6PEN (equipment repair), and HRO. If you would like to have your call added to the list, contact W9FQN with your speciality area.

The FLYING SAMARITANS are looking for eye glasses for their Tecate Eye Clinic each month. If you have any old glasses or can locate a supply of them from friends, please bring them to the next meeting and give them to Nacho-W6HCD or Stan-W9FQN. They are also looking for any kind of doctor, nurse, pharmacist, audiologists, dentists, optomologists, hygienists, Spanish translators, etc. to help at Flying Samaritan Clinics in Testerazo, Tecate, Rancho Rosarito, San Felipe, and others to humorous to mention.

SWAPMEETS: Contact a club member about Saturday swap meets: Santee-1st, Cucamonga-2nd, Chatsworth-3rd, and TRW-last.

- BK -

- 73 W 9 F Q N -

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Mail form with $$ to PARC, P. O. Box 1603, Vista, CA 92085-0530 or hand to Jo-KB6NMK, at club meetings. Dues (including SCOPE) are $12 a year plus $9 for each additional licensed family member. Dues are prorated for NEW members: Aug, Sep, Oct $12; Nov $9; Dec $8, Jan $7, Feb $6, Mar $5, Apr $4, May $3, Jun $2, Jul $1. Old members (1yr) $12. Consider paying for two or three years at a time. Call, name, and complete address are required. Telephone number may be un-unlisted in roster if requested. Other information requested below may be omitted if you feel uncomfortable providing it to the club. Complete and cut on dashed lion - or COPY.

Call ________ Name ______________________________

License Expires ______ Home Address ______________________________

License Class ______ City ______________ State ____ 1st 5 Zip ________ +4 - ______

Old Calls ____________ Home Phone # ____________ Work Phone # ____________

Year 1st licensed ______ Birth date ______ Thomas Brothers location, page # ______ coord ____ (ie., pg 8, D6)

Names & call of family members in PARC ______________________________

ARRL ___ RACES ___ ARES ___ Red Flag ___ Blood donor ___ Type ___ Comments : Interests: ____________

$12

$ $ $ $ $

------------------------------------ dashed lion ------------------------------------

* *
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Amateur Radio Today

SEE INSIDE FOR DETAILS:
Meeting, Repeaters, Autopatches, For Sale, Membership, News, Nets, FREQUENCY (FCC), Letters, W6INI comments, etc.
It is easier to read when open!

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Ur last issue if (PRC9105)

Ph Codes Encin.Vista.Fallbr.   This issue # -> (PRCyymm) Normal PRC9107   Expiration LXyymm

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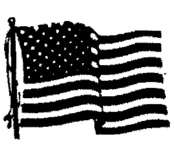
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Zip, zip, zip



Are you radioACTIVE?

NEXT MEETING WEDNESDAY May 1st